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By: Nancy Ramos

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LaBrie et al.

Title: NOVEL HUMAN TUBBY HOMOLOG

Serial No.: To Be Assigned

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Examiner: To Be Assigned

Group Art Unit: To Be Assigned

Official Draftsman

Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

Transmitted herewith are Figure(s) 1A, 1B, 1C, 1D, 2A, 2B, 3A, 3B, as eight (8) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108. A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

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9 18 27 36 45 54
5' NGC ACG AGG TGG GGG CTT TCC TCG GTG GCG GGC ATG GAG GCT TCG CGC TGC CGG
M E A S R C R

63 72 81 90 99 108
CTC AGT CCC AGC GGC GAC AGT GTC TTC CAT GAA GAA ATG ATG ATG CGA CAG
L S P S G D S V F H E E M M K M R Q

117 126 135 144 153 162
GCT AAG CTG GAT TAT CAG AGG CTA CTA CTT GAG AAG AGG CAA AGG AAA AAG CGC
A K L D Y Q R L L L L E K R Q R K R

171 180 189 198 207 216
CTT GAG CCA TTT ATG GTG CAG CCC AAT CCA GAA GCC AGG CTA CGT CGG GCA AAG
L E P F M V Q P N P E A R L R R A K

225 234 243 252 261 270
CCA AGG GCC AGT GAT GAG CAG CAG ACT CCC TTG GTG AAC TGT CAT ACT CCC CAC AGC
P R A S D E Q T P L V N C H T P H S

279 288 297 306 315 324
AAT GTC ATC TTA CAT GGT ATT GAT GGT CCA GGT GTC CTC AAA CCA GAC GAA
N V I L H G I D G P A A V L K P D E

333 342 351 360 369 378
GTT CAT GCT CCA TCA GTA AGC TCC TCT TCT GTT GTG GAA GAA GAT GCT GAA AAC ACC
V H A P S V S S S V V E E D A E N T

FIGURE 1A

Log 8

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FIGURE 1B

1143 1152 1161 1170 1179 1188
 TGG AAC AGT GAC ACT CAG TCC TAT GTC CTC AAC TTC CGT GGC CGG GTC ACT CAG
 W N S D T Q S Y V L N F R G R V T Q

1197 1206 1215 1224 1233 1242
 GCG TCT GTG AAG AAC TTC CAG ATA GTC CAC AAA AAT GAC CCT GAT TAT ATA GTC
 A S V K N F Q I V H K N D P D Y I V

1251 1260 1269 1278 1287 1296
 ATG CAG TTT GGA CGT GTG GCA GAT GAC GTG TTC ACA CTG GAT TAC AAC TAC CCA
 M Q F G R V A D D V F T L D Y N Y P

1305 1314 1323 1332 1341 1350
 CTT TGT GCA GTA CAG GCC TTT GGC ATC GGT CTT TCT AGC TTT GAC AAA CGT ATC
 L C A V Q A F G I G L S S F D K R I

1359 1368 1377 1386 1395 1404
 CAA ACC TTG AGA ATG CAG GAG CTC TGT GAG CTC CAC CGT CAG CAC CAT TCA GCT
 Q T L R M Q E L C E L H R Q H H S A

1413 1422 1431 1440 1449 1458
 GCA TCC CTT GTG CAC AGG ACT GCC TGC CAG CGT TGG GTG GGA CAC CCG TGG CGG
 A S L V H R T A C Q R W V G H P W R

1467 1476 1485 1494 1503 1512
 CAG CTC CCT CAG TCT TCC CTT GTC GGC CCT GAC CTN TNA CTA CAT ATG TAG NAG
 Q L P Q S S L V G G P D L X L H M

1521
 CCC GAG ACC AAA AA 3'

FIGURE 1D

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1 MEASRCRLSPSGDVSFHEEMKMRQA KLDYQRL LLEKRQR 492199
1 M-TSKPHSDWIPIYSVLDD EGSNLRQ QKLD RQRAL LLEQKQK GI 1279766
1 M-TSKPHSDWIPIYSVLDD EGRNLRQ QKLD RQRAL LLEQKQK GI 1305497

41 KKRLEPFMVQPNPEARLRRAKPRAS DEQTPLVNCHTPHS - 492199
40 KKRQEEPLMVQANADGRPRSRRA RQSEEQAPLVESYLS SSG GI 1279766
40 KKRQEEPLMVQANADGRPRSRRA RQSEEQAPLVESYLS SSG GI 1305497

80 - - - - - NVIL - - - - - 492199
80 STSYQVQEADSIASVQLGATRPPAPASAKKSKGAASGGQ GI 1279766
80 STSYQVQEADSLASVQLGATRPTAPASAKRTKAAATAGGQ GI 1305497

84 - - - - - HGIDGPA AVLKPD - EVHAPSVSSSVVEE 492199
120 GGAPRKEKKGKHKGTSGPATLAEDKSEEAQGPVQIILT VGGQS GI 1279766
120 GGAPRKEKKGKHKGTSGPAA LAEDKSEEAQGPVQIILT VGGQS GI 1305497

111 DAENTVDTASKPG - - - - - LOERLQKHDISESVNFD EEE 492199
160 DHDKDAGETAAGG GAQPSGGQDL RATMQRKGIS SSM SFD EED GI 1279766
160 DHAQDAGETAAGG GERPSGGQDL RATMQRKGIS SSM SFD EED GI 1305497

143 TDGISO SACLE - - - - - RPN SASSQNSTDTGTSGSATAA 492199
200 E-DEDENSSSSSQLNSNTRPSSATSRKSI REAASAPS PAA GI 1279766
200 EDEEENS SSSSSQLNSNTRPSSATSRKSV REAASAPS PTA GI 1305497

176 QPADNLLGDI DDLEDFVYSPAPQGVTVRCRI IRDKRGM DR 492199
239 -PEPPVDIEVQDLEEFALRPAPQGI TIKCRI TRDKKGM DR GI 1279766
240 -PEQPVDVEVQDLEEFALRPAPQGI TIKCRI TRDKKGM DR GI 1305497

FIGURE 2A

FIGURE 2B

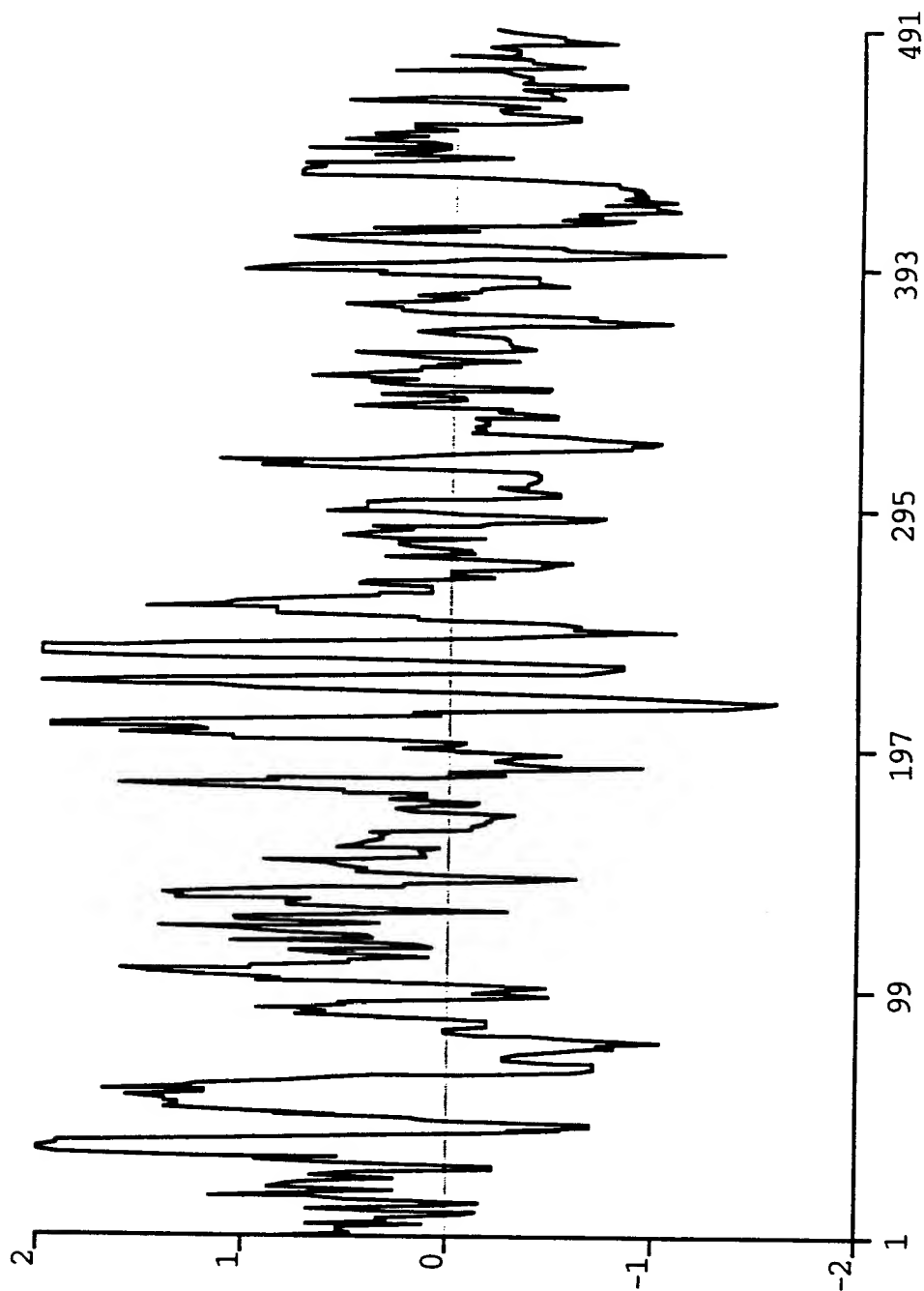


FIGURE 3A

THE UNIVERSITY OF CHICAGO

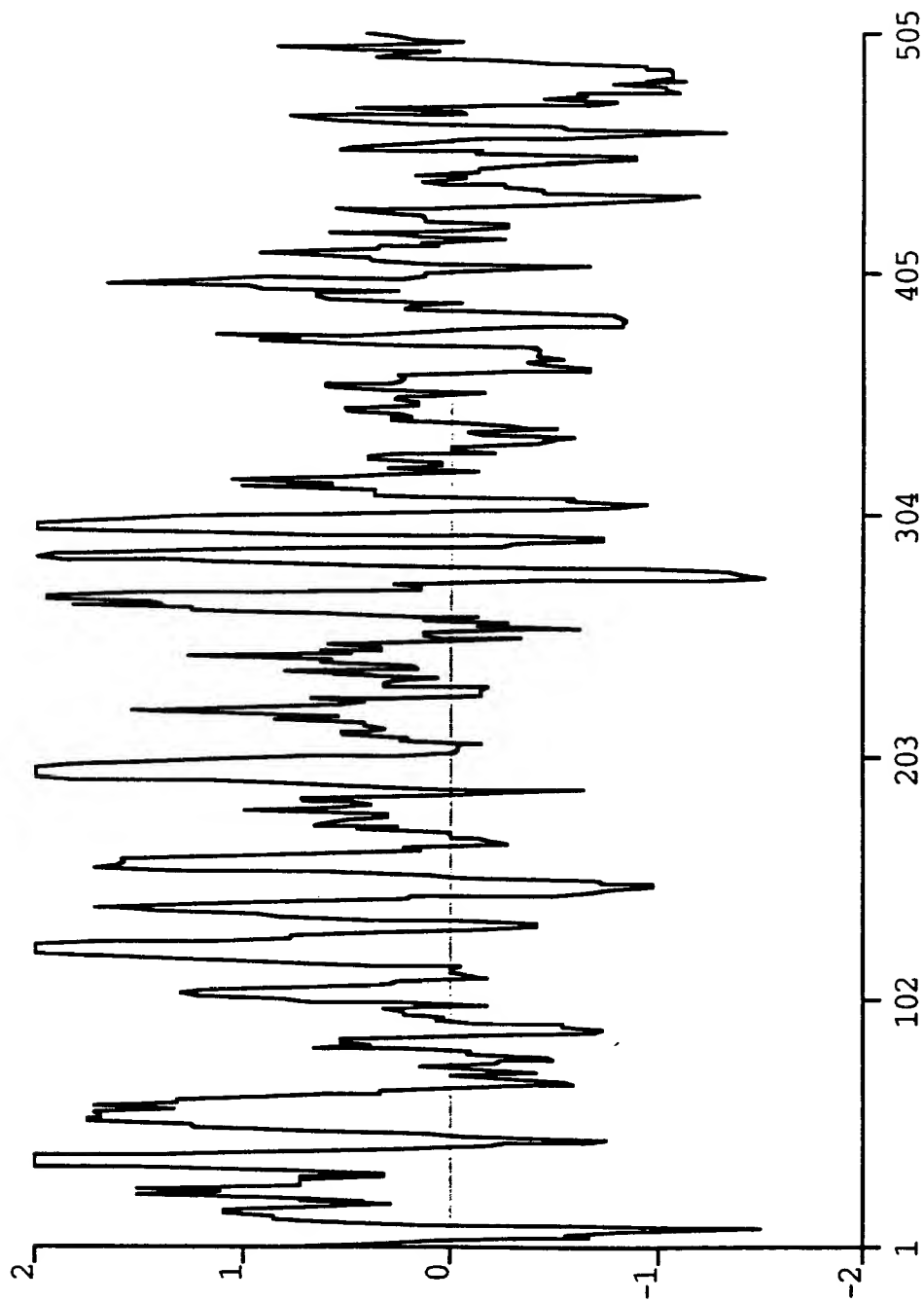


FIGURE 3B